

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An RNA that ~~demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS, wherein said RNA is selected from the~~ group consisting of:

a single stranded RNA comprising ~~SEQ ID NO:1, SEQ ID NO:2 or~~ SEQ ID NO:3;

a single stranded RNA comprising a fragment of ~~SEQ ID NO:1, SEQ ID NO:2 or~~ SEQ ID NO:3;

a double stranded RNA derived by annealing of ~~SEQ ID NO:1 and the complementary sequence thereof, SEQ ID NO:2 and the complementary sequence thereof, or~~ SEQ ID NO:3 and the complementary sequence thereof; and

a double stranded RNA derived by annealing of a fragment of ~~SEQ ID NO:1 and the complementary sequence thereof, a fragment of SEQ ID NO:2 and the complementary sequence thereof, or a fragment of~~ SEQ ID NO:3 and the complementary sequence thereof,

wherein said fragment of ~~SEQ ID NO:1, SEQ ID NO:2 or~~ SEQ ID NO:3 is selected from the group consisting of

a 19 nt fragment of ~~SEQ ID NO:1, SEQ ID NO:2 or~~ SEQ ID NO:3;

a 20 nt fragment of ~~SEQ ID NO:1, SEQ ID NO:2 or~~ SEQ ID NO:3;

a 21 nt fragment of ~~SEQ ID NO:1, SEQ ID NO:2 or~~ SEQ ID NO:3;

a 22 nt fragment of ~~SEQ ID NO:1, SEQ ID NO:2 or~~ SEQ ID NO:3;

a 23 nt fragment of ~~SEQ ID NO:1, SEQ ID NO:2 or~~ SEQ ID NO:3;

a 24 nt fragment of ~~SEQ ID NO:2 or~~ SEQ ID NO:3;

a 25 nt fragment of ~~SEQ ID NO:2 or~~ SEQ ID NO:3;

a 26 nt fragment of ~~SEQ ID NO:2 or~~ SEQ ID NO:3;

a 27 nt fragment of SEQ ID NO:3; and

a 28 nt fragment of SEQ ID NO:3;

wherein said 19 nt fragment of ~~SEQ ID NO:1 is selected from the group consisting of~~
~~ueaaugaggaageucgaga, caaugaggaageucagaa, aaugaggaageucagaa, augaggaageucagaaug and~~
~~ugaggaageucagaaugg; and~~

wherein said 19 nt fragment of ~~SEQ ID NO:2 is selected from the group consisting of~~
~~ggaagugacauageaggaa, gaagugacauageaggaa, aagugacauageaggaa, agugacauageaggaa, a~~
~~gugacauageaggaa, ugacauageaggaa, gacauageaggaa and acauageaggaa.~~

2. **(previously presented):** The RNA of claim 1, wherein said RNA is modified at its 5' end or 3' end by adding two uracil nucleotides.

3. **(currently amended):** The RNA of claim 1, wherein said RNA is a hairpin RNA consisting of a stem part and a loop part,

wherein said stem part is a double stranded RNA as claimed in claim 1, which is derived by annealing of

~~SEQ ID NO:1 and the complementary sequence thereof,~~

~~SEQ ID NO:2 and the complementary sequence thereof,~~

SEQ ID NO:3 and the complementary sequence thereof,

~~the fragment of SEQ ID NO:1 and the complementary sequence thereof,~~

~~the fragment of SEQ ID NO:2 and the complementary sequence thereof,~~
or the fragment of SEQ ID NO:3 and the complementary sequence thereof,
and wherein said loop is a non-complementary spacer.

4. **(currently amended):** A single-stranded or double-stranded DNA ~~that demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS,~~ wherein:

1) said single-stranded DNA or one strand of said double-stranded DNA corresponds to the RNA of claim 1, or its complementary sequence; or

2) said single-stranded DNA or one strand of said double-stranded DNA corresponds to the RNA of claim 2, or its complementary sequence; or

3) said single-stranded DNA or one strand of said double-stranded DNA corresponds to the RNA of claim 3, or its complementary sequence.

5. **(currently amended):** An expression vector ~~that demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS, wherein said vector contains comprising any of the RNA of any one of claims 1-3 or the DNA of claim 4.~~

6. **(currently amended):** A liposome ~~that demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS, wherein said liposome coats any of encapsulating the RNA of any one of claims 1-3, or the DNA of claim 4.~~

7-8. **(canceled).**

9. **(currently amended):** A liposome ~~that demonstrates anti-HIV infection activity and is employed in prevention and treatment of AIDS, wherein said liposome coats~~encapsulating the vector of Claim 5.

10-12. **(canceled).**

13. **(new):** An expression vector comprising the DNA of claim 4.

14. **(new):** A liposome encapsulating the DNA of claim 4.

15. **(new):** A liposome encapsulating the vector of Claim 13.